

ABSTRACT

A heart valve assembly includes a base including a multi-lobular annular shape within a plane, a valve member or other annular body including a multi-lobular shape complementary to the shape of the base, and cooperating connectors on the base and the annular body for connecting the annular body to the base. The base includes an anchoring ring, and a flexible cuff for attaching the base to a biological annulus. The base and the annular body include guides for aligning their multi-lobular shapes, e.g., visual, tactile, or other markers, or tethers that extend from the base that are slidable through the annular body. During use, the base is attached to a biological annulus, the annular body is directed adjacent the annulus, oriented such that the multi-lobular shape of the annular body valve member is aligned with the base, and the annular body is attached to the base.